

METHOD, SYSTEM, AND PROGRAM FOR MANAGING
VIRTUAL MEMORY

ABSTRACT

5 Provided are a method, system, and program for managing virtual memory
designated for use by a module such as a data send and receive agent. In one
embodiment, virtual memory addresses intended for use by the module are designated as
being within reserved portions and unreserved portions. Virtual memory addresses of the
unreserved portion are mapped to physical memory to provide memory buffers which
10 may be allocated to various users of the module in response to user requests. Virtual
memory addresses in the reserved portion are not allocated to module users. The
respective sizes of the reserved and unreserved portions may change, depending upon
usage of the unreserved portions by the module users and needs of other modules and
components of the system.